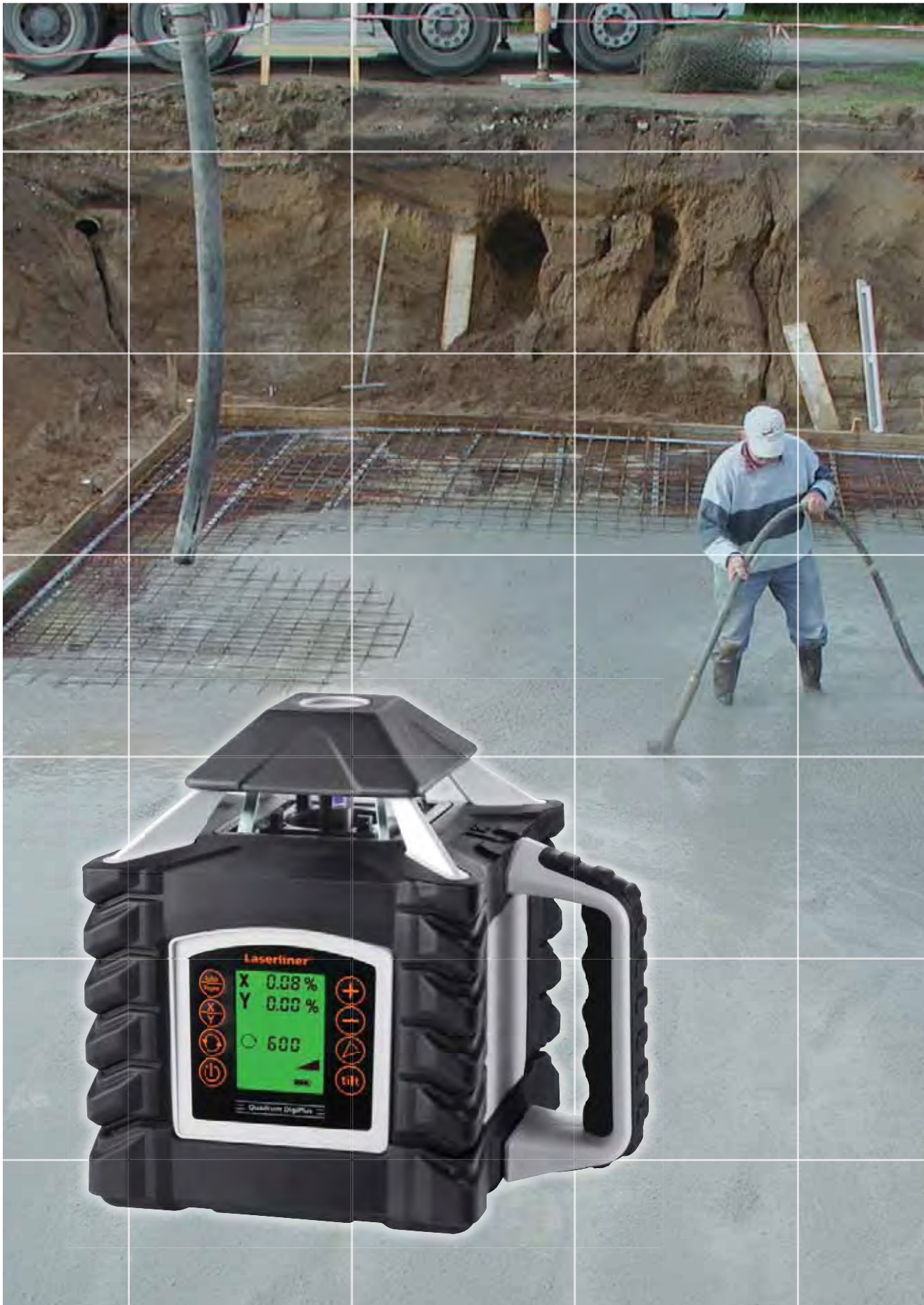


# Rotary laser for outdoor areas



# ABOVE AND BELOW GROUND CONSTRUCTION

Rotary lasers are used in above and below ground construction for the most diverse types of survey work. Their primary purposes involve exact levelling at great distance and for establishing alignments and slopes in all visibility conditions. The robust Laserliner rotary lasers are designed for rough construction site activity, even in extreme situations.

## Powerful technology



**SENSOR**  
AUTOMATIC

Electronic vials and positioning motors controlled by temperaturestable sensors for automatic alignment of devices. The devices are set to their initial position and align themselves automatically.



**Laser**  
635 nm

Rotary lasers with 635 nm technology have a large temperature range in which they operate reliably. Visibility is limited to indoor area applications.



**3R**

Laser class



**ANTI**  
**SHAKE**

Additional function for all units with „Sensor Automatic“ : The electronic permanently levels the units even if these are moving. For quick levelling, on vibrating surfaces and windy weather.

**RECHARGE**  
7h

Battery system recharge with original accessories



**ADS**  
Tilt

Prevents erroneous or inaccurate measurements: Continuous monitoring of the alignment of the laser is activated 30 or 45 seconds after automatic levelling. Measurements will be suspended as a precaution if the device is disturbed unintentionally or moves due to the influence of external factors.



IP 66 IP 67

Protection against dust and water – The measuring tools are characterised by specific protection against dust and rain.



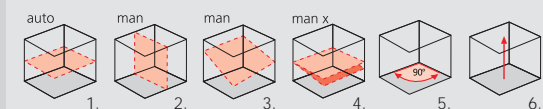
**SHUTTER**

Various segments of the laser output can be shut off separately in order to eliminate disturbing reflections and interference when several rotary lasers are used simultaneously on the construction site.



**Laser reception range red**

SensoLite 410	up to 400 m
SensoMaster 400	up to 400 m



The space grids show the laser planes and functions.  
 1. Horizontal levelling    3. SingleSlope function    5. 90° angle  
 2. Vertical levelling    4. DueSlope function    6. Plumb function

**auto:** Automatic alignment

**man:** Manual alignment

## Above and below ground construction



### Overview



	Quadrum OneTouch	Quadrum DigiPlus	DuraMax XPro	Centurium
Horizontal	auto	auto	auto	auto
Vertical		auto		auto
Accuracy mm / 10 m	0.75	0.75	0.5	0.5
Plumb laser up		•		•
Plumb laser down		•		
Levelling range	5°	6°	5°	5°
Levelling principle	Sensor-Automatic	Sensor-Automatic	Sensor-Automatic	Sensor-Automatic
AntiDriftSystem (Tilt)	•	•	•	•
Vertical fine adjustment		•		•
AntiShake	•		•	
Slope	DualSlope	Single-/DualGrade	Single-/DualSlope	DualSlope
Remote control	•	•	•	•
Receiver mode	•	•	•	•
Laser class	3R	3R	3R	3R

• = available

### Rotary lasers for professional use



Laserliner instruments are available in sturdy carrying cases.  
 HARD: plastic carry case  
 ALU: case with reinforced aluminium corners

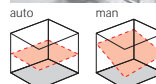


**Inclusive:** Centurium, SensoLite 410, universal mount, remote control, high-performance battery, battery holder, charger, carrying case, batteries

Above and below ground construction



Quadrum OneTouch 410 S



**One-button operation rotary laser. For horizontal levelling over great distances.**

- Simple one-button operation
- 5° self-levelling range, accuracy 0.75 mm / 10 m
- Laser modes: spot, scan, rotary and hand receiver mode
- All functions can be controlled remotely.
- The 4 IR receiving diodes allow this instrument to be remotely operated from all sides.
- Integrated safe-operating concept OneTouch
- Laser receiver range up to 400 m radius

**Inclusive:** Quadrum OneTouch, SensoLite 410, universal mount, remote control, rechargeable battery, charger, carrying case, batteries

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053.200A	4 021563 677849	1



**OneTouch operation**

The laser is switched over from setup mode (AntiShake) into secure mode (ADS-Tilt) with a single press of a button - simple operation.



Above and below ground construction



**Quadrum DigiPlus 410 S**

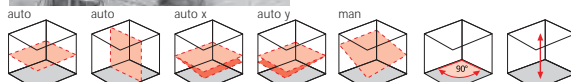
NEW



**2-axis inclination laser**

- 6° self-levelling range, accuracy 0.75 mm / 10 m
- Deviation from the horizontal plane can set digitally in X and Y axes.
- Laser modes: spot, scan, rotary and hand receiver mode
- High maximum speed of 600 rpm
- Large illuminated LCD
- All functions can be controlled remotely.

Soon available.



**Inclusive:** Quadrum DigiPlus, SensoLite 410, universal mount, remote control, rechargeable battery, charger, carrying case, batteries

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**Clearly arranged, illuminated LCD**

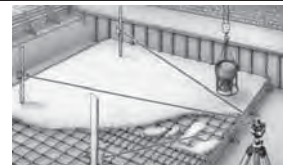
All operating modes are shown on the large LC display. This makes it easy and straightforward to set up the device. Direct read-off of set inclination.



Above and below ground construction



DuraMax XPro 410 S



**High precision rotary laser with shutter function – horizontal levelling over great distances**

- 5° self-levelling range, accuracy 0.5 mm / 10 m
- Shutter function: The working range of the laser beam can be limited to 4 different segments.
- Laser modes: spot, scan, rotary and hand receiver mode
- Single-slope function for manual tilt of an axis in automatic operation, even if ADS tilt is active.
- All functions can be controlled remotely using the Commander 50.

**Inclusive:** DuraMax XPro, SensoLite 410, universal mount, Commander 50, rechargeable batteries, charger, carrying case, batteries

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**Shutter function**

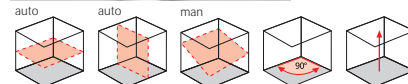
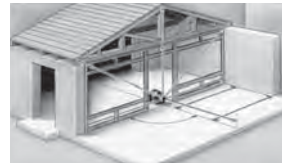
Various segments of the laser output can be shut off separately in order to eliminate disturbing reflections and interference when several rotary lasers are used simultaneously on the construction site.



Above and below ground construction



**Centurium 410 S**



- High precision rotary laser for levelling over great distances – horizontal and vertical**
- 5° self-levelling range, accuracy 0.5 mm / 10 m
  - Laser modes: spot, scan, rotary and hand receiver mode
  - All functions of the rotary laser can be controlled up to a distance up to 40 m with the remote control Control C40.
  - The 4 IR receiving diodes allow this instrument to be remotely operated from all sides
  - Laser receiver range up to 400 m radius

**Inclusive:** Centurium, SensoLite 410, universal mount, remote control Control 40, high-performance battery, battery holder, charger, carrying case, batteries

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Extremely stable metal head



Vertical operating position

